

**CONFIDENTIAL**

**October 19, 1955**

**P R O P O S A L**

**FOR**

**A CLOCK TESTING PROGRAM**

**UNDER THE GENERAL TASK**

25X1

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## P R O P O S A L

### FOR

#### A CLOCK TESTING PROGRAM UNDER THE GENERAL TASK

This company proposes to undertake a testing program of the ~~24~~ 24-hour clock. The work will be done under a letter of assignment to Research Order 3, the General Task contract with our [REDACTED]. The purpose of this test program is to check the accuracy and reliability of the clock mechanism when it is submitted to environmental extremes.

25X1

The testing agenda will be arranged in cooperation with the project officer and will include the following tests:

1. Eight clocks with M-34 detonator and adapter and without firing pin will be submerged in water at a pressure equal to a fifty foot head. A weighed quantity of desicant will be placed in each clock and again weighed after 24 hours submergence to ascertain the moisture picked up. The firing pin will be replaced and each unit will be tested for functioning.
2. In the above test the desicant will pick up moisture that otherwise might attack the mechanism, therefore the test will be repeated without using desicant to test for functioning after submergence under realistic conditions.
3. Functioning of a clock with a limpet will be tested by underwater firing.
4. Functioning of a clock with an initiator will be tested by firing in gasoline after 24 hours submergence.
5. Five clocks will be stored at 130°F for twenty days and checked for accuracy at that temperature. After returning to 70°F, they will again be checked for accuracy.
6. The clocks used in Test 5 will be stored at -10°F for 24 hours after which they will be tested for accuracy at that temperature. After returning to 70°F, they will again be checked for accuracy.

The above test outline is tentative and may be altered as required. A schedule of costs and man-hours to be expended is attached.

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## COST ESTIMATE

### Materials and Purchased Items

Tools, Jigs, Fixtures	\$150.00
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### Labor

100 Engineering Hours at \$3.50	350.00
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300 Technician Hours at \$2.50	750.00
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100 Shop Hours at \$2.50	250.00
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Overhead, 25%	<u>337.50</u>
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Sub Total	\$1,837.50
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Fee, 8%	<u>147.00</u>
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TOTAL	\$1,984.50
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